

MICROCHANNEL TURN DESIGN

ABSTRACT OF THE DISCLOSURE

A microcapillary channel having two opposite sides, wherein the opposite
5 sides have different lengths over a straight portion of the channel.

A microchannel system for compensating for skewing of sample plugs as the
sample plugs pass around a curved microchannel, comprising: a first microchannel having
two opposite sides, wherein the opposite sides have different lengths over a straight portion
of the first channel; a second microchannel having two opposite sides, wherein the opposite
10 sides have different lengths over a straight portion of the second channel; and a curved
portion of microchannel disposed between, and in fluid communication with, the first and
second microchannels, wherein the second sides of the first and second microchannels are
disposed towards the interior of the curvature of the curved portion.

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